

|  |                                       |                                |                                       |
|--|---------------------------------------|--------------------------------|---------------------------------------|
| <b>TRANSMITTAL OF INFORMATION DISCLOSURE<br/>STATEMENT UNDER 37 CFR § 1.97(b), 1.97(c), or 1.97(d)</b> |                                       |                                | <b>Attny. Docket No.<br/>2004B032</b> |
| <b>In Re Application of: Luo et al.</b>  |                                       |                                |                                       |
| <b>U.S. Serial No.<br/>Unassigned</b>  | <b>Filing Date<br/>April 16, 2004</b> | <b>Examiner<br/>Unassigned</b> | <b>Group Art Unit<br/>Unassigned</b>  |

Address to:  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**37 CFR § 1.97(b)**

- ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

**37 CFR § 1.97(c)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); after three months of the date of entry of the national stage as set forth in § 1.491 in an international application; after the mailing of a first Office Action on the merits; or after the mailing of a first Office Action after the filing of a request for continued examination under § 1.114, but before the mailing date of:

1. a Final Action under § 1.113,
2. a Notice of Allowance under § 1.311, or
3. an action that otherwise closes prosecution in the application,

and is accompanied by either:

- ☐ the fee as set forth in § 1.17(p), or
- ☐ the following statement under § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

**37 CFR § 1.97(d)**

- ☐ The Information Disclosure Statement submitted herewith is being filed after a Final Action under § 1.113, a Notice of Allowance under § 1.311, or an action that otherwise closes prosecution in the application, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is the fee as set forth in § 1.17(p) and the following statement under 37 CFR § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Applicant hereby request consideration of the Information Disclosure Statement, USPTO form 1449, submitted herewith.

☒ Legible copies of the references are enclosed.

☐ This application is a:  
☐ Continuation / Divisional,  
☐ Continuation-in-Part,

of U.S.S.N. \_\_\_\_\_. Copies of the cited references are  
☐ enclosed; ☐ not enclosed. References are available in the parent application(s) if not enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account Number 05-1712. A duplicate copy of this form is enclosed.

April 16, 2004  
Date

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**INFORMATION DISCLOSURE STATEMENT***(Use several sheets if necessary)***ATTY. DOCKET NO.****SERIAL NO.****2004B032****Unassigned****APPLICANT****Luo et al.****FILING DATE****GROUP****April 16, 2004****Unassigned****U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE     | NAME               | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----|--------------------|----------|--------------------|-------|----------|-------------------------------|
|                      | AA | 3,012,963          | 02/04/59 | Archibald          | 208   | 217      |                               |
|                      | AB | 3,285,984          | 12/30/63 | Goble              | 260   | 667      |                               |
|                      | AC | 3,454,666          | 04/10/67 | Jacobs et al.      | 260   | 674      |                               |
|                      | AD | 3,541,169          | 01/09/68 | Hicks, Jr., et al. | 260   | 667      |                               |
|                      | AE | 3,646,238          | 02/29/72 | Jacobs             | 260   | 674 A    |                               |
|                      | AF | 3,719,719          | 03/06/73 | Amidon et al.      | 260   | 667      |                               |
|                      | AG | 3,825,610          | 07/23/74 | Sonoda et al.      | 260   | 667      |                               |
|                      | AH | 3,912,787          | 10/14/75 | Nowack et al.      | 260   | 667      |                               |
|                      | AI | 4,039,712          | 08/02/77 | Sato               | 428   | 307      |                               |
|                      | AJ | 4,313,017          | 01/26/82 | McGinnis et al.    | 585   | 266      |                               |
|                      | AK | 4,608,153          | 08/26/86 | Hudson et al.      | 208   | 112      |                               |
|                      | AL | 4,828,675          | 05/09/89 | Sawyer et al.      | 208   | 57       |                               |
|                      | AM | 4,950,386          | 08/21/90 | Francisco          | 208   | 108      |                               |
|                      | AN | 5,424,264          | 06/13/95 | Richard et al.     | 502   | 261      |                               |

**FOREIGN PATENT DOCUMENTS**

|  |    | DOCUMENT<br>NUMBER | PUBL.<br>DATE | COUNTRY       | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|--------------------|---------------|---------------|-------|----------|-------------|----|
|  |    |                    |               |               |       |          | YES         | NO |
|  | AO | 1,287,722          | 09/06/72      | Great Britain |       |          |             |    |

**OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)**

|    |   |
|----|---|
| AP | Petroleum Chemistry Division Reprints 2002, 47(2), pages 103-105; Michael J. Sprague, Jian Zheng, Chumshan Song; "Effect of Sulfur Removal From Naphthalene On Its Hydrogenation Over Mordenite-Supported PD Catalyst"  |
| AQ | E. Ya. Gamburg, A. D. Berents and A. B. Vol'-Epshtein: "Hydrogenation of Naphthalene to Tetralin in the Presence of a Palladium Catalyst"; Neftepererabotka i neftekhimiya, 1982, No. 4, pp. 21-23  |
| AR | A. B. Vol'-Epshtein, V. A. Avilov, N. N. Khor'kova and M. A. Ryabinina: "Selective Hydrogenation of Naphthalene to Tetralin"; Neftepererabotka i neftekhimiya, 1982, No. 4, pp. 31-32.  |
| AS | E. Ya. Gamburg, A. B. Vol'-Epshtein and A. D. Berents: " Selective Hydrogenation of Naphthalene and Alkyl naphthalenes on a Palladium Catalyst"; Neftekhimiya, Vol. XII, No. 5, 1972, pp. 647-651   |
| AT | V. M. Gryaznov, V. S. Smirnov, M. M. Ermilova, N. V. Orekhova, L. F. Pavlova <sup>1</sup> , E. V. Khrapova <sup>1</sup> , N. L. Basov <sup>1</sup> , L. D. Gogua <sup>1</sup> , N. N. Mikhaleiko <sup>1</sup> and V. E. Tarasova <sup>1</sup> ; "Membrane Catalysts for Selective Hydrogenation of Certain Products of the Pyrolysis of Petroleum Hydrocarbons"; Vol. XIX, No. 5, 1979, pp. 662-666 |
| AU | Paul N. Rylander, Ph.D. and D.R. Steele; "Selectivity in Platinum Metal Catalyzed Hydrogenation"; Engelhard Industries; pages 113-120   |
| AV | Richard J. Lewis, Sr.; "Hawley's Condensed Chemical Dictionary-Fourteenth Edition"; Periodic Table  |
| AW | Japanese Patent Application 49049947; Sumitomo Chemical Co., Ltd., 1974; entitled "Selective Hydrogenation of Naphthalenes"   |

**EXAMINER****DATE CONSIDERED**

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant